



## Material Content Data Sheet



<b>Sales Product Name</b>		BGA 524N6 E6327		<b>Issued</b>		27. September 2017		
<b>MA#</b>		MA001134536						
<b>Package</b>		PG-TSNP-6-2		<b>Weight*</b>		0.92 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	0.093	10.16	10.16	101581	101581
bumps	non noble metal	copper	7440-50-8	0.003	0.33	0.33	3303	3303
leadframe	non noble metal	tin	7440-31-5	0.001	0.10		971	
	non noble metal	zinc	7440-66-6	0.001	0.08		777	
	non noble metal	chromium	7440-47-3	0.001	0.12		1166	
encapsulation	non noble metal	copper	7440-50-8	0.353	38.56	38.86	385626	388540
	organic material	carbon black	1333-86-4	0.002	0.22		2240	
	plastics	epoxy resin	-	0.060	6.50		64954	
leadfinish	inorganic material	silicondioxide	60676-86-0	0.349	38.08	44.80	380764	447958
	non noble metal	tin	7440-31-5	0.037	4.05	4.05	40548	40548
plating	noble metal	silver	7440-22-4	0.015	1.62	1.62	16200	16200
ubm	non noble metal	copper	7440-50-8	0.000	0.00		34	
	non noble metal	titanium	7440-32-6	0.000	0.00		12	
	non noble metal	tungsten	7440-33-7	0.000	0.00	0.00	7	53
solder	noble metal	silver	7440-22-4	0.000	0.00		41	
	non noble metal	tin	7440-31-5	0.002	0.18	0.18	1776	1817
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption

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